

WHAT IS CLAIMED IS:

1. An air conditioning system, comprising:
a container for receiving a cold medium;
a cooling lid for fitting over the insulated container,
the cooling lid comprising:
an enclosure comprising an intake vent and an outlet
vent;
a heat sink mounted in the enclosure;
a fan for drawing air through the enclosure and
across the heat sink; and
a heat transfer tower extending between the heat
sink and a first location within the interior of the
container.
2. The air conditioning system of claim 1, wherein the
heat transfer tower comprises a heat pipe.
3. The air conditioning system of claim 2, further
comprising a cold block mounted on the heat pipe at the first
location.
4. The air conditioning system of claim 1, wherein the
container comprises an insulated cooler.

5. The air conditioning system of claim 1, wherein the fan is battery powered.

6. The air conditioning system of claim 5, wherein batteries for powering the fan are mounted in the cooling lid.

7. An air conditioning system, comprising:
a container for receiving a cold medium;
a heat transfer tower having first and second locations thereon, the first location extending into the container;
a heat sink at the second location; and
a fan mounted to direct air over the heat sink.

8. The air conditioning system of claim 7, wherein the fan and heat sink are mounted in an enclosure.

9. The air conditioning system of claim 8, wherein the enclosure comprises an intake vent and an outlet vent.

10. The air conditioning system of claim 9, wherein the enclosure is formed within a lid that fits on top of the container.

11. The air conditioning system of claim 7, wherein the heat transfer tower comprises a heat pipe.

12. The air conditioning system of claim 11, further comprising a cold block mounted on the heat pipe at the first location.

13. The air conditioning system of claim 7, wherein the container comprises an insulated cooler.

14. An air conditioning system, comprising:
a container for receiving a cold medium;
a cooling lid for fitting over the insulated container,
the cooling lid comprising:

a heat sink;
a fan for drawing air across the heat sink; and
a heat transfer tower extending between the heat sink and a first location within the interior of the container.

15. The air conditioning system of claim 14, wherein the heat transfer tower comprises a heat pipe.

16. The air conditioning system of claim 15, further comprising a cold block mounted on the heat pipe at the first location.

17. The air conditioning system of claim 14, wherein the container comprises an insulated cooler.

18. The air conditioning system of claim 14, wherein the fan is battery powered.

19. The air conditioning system of claim 18, wherein batteries for powering the fan are mounted in the cooling lid.

20. The air conditioning system of claim 14, wherein the fan is solar powered.